

2008 MAZDA3 5-Door

Engine & Mechanical



S Standard **P** Package Option **□** Stand-Alone Option **R** Dealer Installed Accessory **✕** Not Available

2008 MAZDA3 5-Door	s Sport	s Touring	s Grand Touring
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ENGINE

Engine type	Type-L3X 2.3L DOHC 16-valve 4-cylinder with VVT and balance shafts (2)
Horsepower	156 @ 6500 rpm (PZEV = 151 @ 6500 rpm)
Torque (lb.-ft.)	150 @ 4500 rpm (PZEV = 149 @ 4500 rpm)
Redline	6500 rpm
Displacement (cubic inches/cc)	137.9/2260
Bore x Stroke (inches/mm)	3.44 x 3.70/87.5 x 94.0
Compression ratio	9.7:1
Fuel system	Multi-port electronic fuel injection
Recommended fuel	Regular unleaded
Valvetrain	4 valves per cylinder, mechanical lifters, camshaft chain; Variable-Valve Timing
Engine block	Aluminum alloy
Cylinder heads	Aluminum alloy

DRIVETRAIN

Type	FWD
Transmission (MT)	5-speed manual
Transmission (AT)	5-speed electronically-controlled Sport AT
Clutch type	Single dry plate with diaphragm spring Torque converter with electronic lockup
Ratios	2.3L MT
1st	3.307

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2nd		1.842	
3rd		1.31	
4th		0.97	
5th		0.755	
Reverse		3.166	
Final drive		4.105	
		2.3L SPORT AT	
1st		3.62	
2nd		1.925	
3rd		1.285	
4th		0.933	
5th		0.692	
Reverse		3.405	
Final drive		3.863	

CHASSIS

Body type	5- passenger, 5-door hatchback
Front suspension	Independent, MacPherson strut, coil springs and stabilizer bar
Rear suspension	Independent, Multi-link (E-type), coil springs and stabilizer bar
Shock absorbers	Telescopic, double acting
Steering type	Rack-and-pinion with variable assist
Power assist	Electro-Hydraulic Power Assist Steering (EHPAS)
Steering wheel turns-to-lock	2.9
Turning circle, curb-to-curb (feet/m)	34.1/10.4
Braking system	Power assist; Anti-lock Brake System

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Front brakes	(ABS) w/ Electronic Brakeforce Distribution (EBD) & Brake Assist		
Rear brakes	Ventilated discs, 11.8 inches (2.3L)		
Parking brake	Solid discs, 11.0 inches (2.3L)		
Wheels	Mechanical, hand-operated on rear wheels		
Wheel offset (mm)	6.5J x 17"		
Tires	52.5		
EPA mileage (city/highway)	P205/50 R17 V-rated all-season		
MT		22/29	
AT		22/29	

* These estimates reflect new EPA methods beginning with 2008 models









































































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Exterior Features

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EXTERIOR FEATURES

Antenna, roof-mounted (mast-type)			
Back-up lights - clear-lens with silver-color bezels			
Brake light - high-mount, interior-type (top of rear window)			
Bumpers - body-color sport type (front & rear)			
Door handles - body-color			
Fuel door - body-color			
Headlights - clear-lens halogen			
Headlights - automatic on/off			
Headlights - Xenon (Low Beam, High-Intensity Discharge - HID), manual-leveling type			
Headlight bezels - with (3) silver-color			
Headlight housing - black treatment			
Fog lights - clear-lens halogen			
Mirrors, dual power remote mirrors - body-color, folding-type			
Rear bumper reflectors - integrated-type (4)			
Roof molding - black			
Side repeater lights - white-lens oval type			
Side moldings, protective body-color			
Side sill extensions			
Spoiler, rear roof-end spoiler (body-color)			
Taillights - clear-lens with (3) silver-color bezels			
Taillights - clear-lens with LED			
Windshield wipers, 2-speed with variable-intermittent			
Windshield wipers, automatic rain-sensing (adjustable sensitivity) with 2-speed and variable-intermittent			
Windshild wipers, 1-speed with fixed-intermittent (rear)			

EXTERIOR DIMENSIONS

Wheelbase (inches)	103.9
Track, Front (inches)	60.2
Track, Rear (inches)	59.6
Length (inches)	176.8
Width (inches)	69.1
Height, unladen (inches)	57.7
Minimum Ground Clearance, laden (inches)	4.8

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Weight Distribution, % front:rear		60/40	

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2008 MAZDA3 5-Door	s Sport	s Touring	s Grand Touring
COMFORT & CONVENIENCE			
12-volt power outlet in center console (1)			
Air Conditioning with pollen filter			
Ambient (outside) temperature display			
Automatic climate control system with display			
Cargo area light			
Center console armrest with covered dual storage compartments			
Cruise control with steering wheel-mounted controls - illuminated			
Cup holders, rear door bottle holders (without storage pockets)			
Cupholders, dual front with lid			
Cupholders, dual rear (integrated in armrest)			
Delayed courtesy lights (dual map & dome lights)			
Driver-side covered visor vanity mirror with ticket holder			
Front dual map lights			
Front side-window demisters			
Heater/defroster with multiple speed fan			
Illuminated driver-side power window switches			
Illuminated glove compartment, ignition keyhole			
Moonroof, power sliding-glass ("one-touch" open feature) with interior sunshade			
Passenger-side covered visor vanity mirror with ticket holder			
Power door lock switches - driver's-side & front passenger-side			
Power door locks with 2-stage unlocking			
Rear heater ducts, window defogger			
Rearview mirror, day/night			
Remote fuel door release, hood release			
Steering column, tilt & telescopic			
Steering wheel, 3-spoke leather-wrapped			
Steering wheel, 3-spoke urethane			
Steering wheel-mounted audio controls - illuminated			
Storage bin - driver's side			
Storage pockets, front door with bottle holders			
Storage, front seatback map pocket (driver's side only)			
Storage, glove compartment with illumination & lock			
Windows, power with driver-side one-touch down feature			

Interior Features

























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SEATING

5-passenger seating capacity			
60/40 split fold-down rear seat			
Center floor console trim - black			
Door trim, cloth - black or gray			
Door trim, black synthetic leather			
Floor mats, front and rear - carpeted			
Floor-mounted gear shift lever (M/T and Optional A/T)			
Full cargo area trim			
Full carpeting			
Interior trim color: black, or gray			
Molded cloth door trim - front and rear			
Molded cloth headliner			
Parking brake handle, urethane w/ silver-color release button			
Scuff plates - urethane type			
Seats, cloth - black or gray			
Seats, leather - black			
Seats, driver's seat lifter (lever-type) with manually adjustable lumbar support			
Seats, heated front seats (driver and passenger)			
Seats, reclining front bucket seats - sport-type			
Shift knob - leather-wrapped (M/T and Optional A/T)			

AUDIO / ENTERTAINMENT / NAV






















AM/FM/CD audio system w /digital clock			
6-speaker sound system (includes 2 tweeters)			
Audio system Automatic Level Control (ALC) - 1/2/3 & off settings			
Auxiliary jack for portable media devices			
Bose® premium audio system (222W digital amplifier, 7 speakers)			
In-dash 6-disc CD changer (modular audio)			
Navigation system - DVD			
Satellite radio-compatible audio system (requires additional dealer-installed hardware)			

INSTRUMENT PANEL

Center instrument panel display (audio & clock)			
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Interior Features

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Engine coolant temperature gauge			
Gauge illumination dimming control button (number illumination only)			
Gauges & controls illumination dimming control - dial-type			
Gauges, electroluminescent (black-out type) with red & blue nighttime illumination			
Tachometer			
Trip computer, four-function including current and average fuel economy, distance-to-empty, and average vehicle speed			
Trip odometers, resettable (2)			

INTERIOR DIMENSIONS

Headroom, front/rear without moonroof (inches)	39.1/38.4
Headroom, front/rear with moonroof (inches)	38.2/38.3
Leg room, front/rear (inches)	41.1/36.3
Shoulder room, front/rear (inches)	54.9/54.0
Hip room, front/rear (inches)	53.8/52.5
Rear knee clearance (inches)	0.7

CAPACITIES

Cargo volume (cubic feet)	17.1
Cargo volume, rear seats down (cubic feet)	43.8

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*Requires additional dealer-installed hardware

 Standard

 Package Option





























































 Stand-Alone Option

 Dealer Installed Accessory

 Not Available

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SAFETY

"Triple-H" construction			
3-point safety belts for all seating positions (2 front; 3 rear)			
5-mph bumpers			
Advanced dual front air bags (SRS) - with crash-zone & driver's seat position/passenger weight sensors (Mazda Advanced Restraint System)			
Child-safety rear door locks			
Collapsible steering column (following air bag deployment)			
"Crushable" brake pedal			
Dual front side-impact air bag supplemental restraint system (SRS) - front seat-mounted (front coverage)			
Engine immobilizer anti-theft system			
Front safety-belt pretensioners with force limiters			
Height adjustable front shoulder belt "B" pillar anchors			
Horn - single type			
Keyless remote panic button feature (on key fob)			
LATCH rear seat child safety-seat lower anchors & upper tethers			
Side air curtains - front & rear coverage			
Side-impact door beams - front and rear			
Theft-Deterrent Security System			
Tire Pressure Monitoring System (TPMS)			
Whiplash-reducing front seat headrests			
Dynamic Stability Control (DSC) and Traction Control System (TCS)			



















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* Always wear your safety belt and secure children in the rear seat.





































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AUDIO / VISUAL ELECTRONICS

In-dash 6-disc CD changer, MP3 compatible	 	 	 
Remote engine start (A/T only)	 	 	 
SIRIUS Satellite radio w/6 month subscription (N/A AK & HI)	 	 	 

EXTERIOR FEATURES

Front air dam	 	 	 
Door edge guards	 	 	 
Fuel-filler door, pearl satin	 	 	 
Moonroof wind deflector	 	 	 
Rear bumper guard	 	 	 
Wheel locks	 	 	 

INTERIOR FEATURES

Cargo mat	 	 	 
Cargo net	 	 	 
Cargo tray	 	 	 
Floor mats, All-Weather	 	 	 
Compass/AutoDim Mirror	 	 	 
Compass/AutoDim Mirror with Homelink	 	 	 

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